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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of)
 SUGAHARA et al.) Art Unit 2815
 Application Number: 10/522,241)
 Filed: January 25, 2005)
 For: A SPIN TRANSISTOR BASED ON THE SPIN-)
 FILTER EFFECT AND A NONVOLATILE MEMORY)
 USING SPIN TRANSISTORS)
 ATTORNEY DOCKET NO. HIRA.0178)

Honorable Assistant Commissioner
 for Patents
 Washington, D.C. 20231

COVER LETTER

Sir:

[x] The fee for submission of claims is calculated as shown below:

FOR	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS ALREADY PAID	RATE	CALCULATION
Total Claims	70	70	50 (Over 20)	x \$50	0
Independent Claims	21	21	18 (Over 3)	x \$200	0
MULTIPLE DEPENDENT CLAIM(S)				+ \$360	0
REDUCTION FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28). IF APPLICABLE, VERIFIED STATEMENT MUST BE ATTACHED				x ½	
				TOTAL	0.00

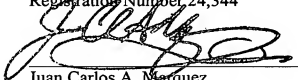
In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Response to Office Action
(with Claim Election) | <input type="checkbox"/> Substitute Specification (clean and
marked-up version) |
| <input type="checkbox"/> Substitute Specification | <input type="checkbox"/> Statements & Pre-exam search report
with References |
| <input type="checkbox"/> Assignment | <input type="checkbox"/> Information Disclosure Statement with
references |
| <input type="checkbox"/> Letter to Draftsperson | |
| <input type="checkbox"/> Terminal Disclaimer | |

- [] Please charge my **Deposit Account Number** _____ in the amount of _____ to cover the fees for _____. A duplicate copy of this paper is enclosed.
- [] A check in the amount of \$ _____ to cover the fee is enclosed.
- [x] The Commissioner is hereby authorized to charge any additional fees associated with this communication, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,

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April 23, 2007



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In re U.S. Patent Application of)	
)	
SUGAHARA et al.)	Unit 2815
)	
Application Number: 10/522,241)	Examiner
)	Valentine, Jami M.
Filed: January 25, 2005)	
)	
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FILTER EFFECT AND A NONVOLATILE MEMORY)	
USING SPIN TRANSISTORS)	
)	
ATTORNEY DOCKET NO. HIRA.0178)	

**Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

RESPONSE TO RESTRICTION REQUIREMENT

Sir:

This is in response to the Office Action mailed on March 28, 2007, the period of response to which is set to expire April 28, 2007. Applicant hereby elects the continuing prosecution of Group I: claims 71-82 without traverse. Please consider the above-identified application as follows: